

## Curriculum Vitae

Alisa Surkis  
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### Education

Year	Degree	Field	Institution
1985	AB	Physics	University of Chicago
1988	MS	Physics	Stanford University
1997	PhD	Neuroscience	New York University
2010	MLS	Library & Information Studies	Queens College, CUNY

### Academic Appointments

2011-2014	Library Associate	NYU Health Sciences Library, NYU School of Medicine
2014-2018	Assistant Curator	NYU Health Sciences Library, NYU School of Medicine
2018-	Associate Curator	NYU Health Sciences Library, NYU School of Medicine

### Other Professional Positions and Visiting Appointments

1999-2010	Senior Research Analyst, SUNY College of Optometry
2002-2007	Research Consultant, Columbia University
2011-2017	Translational Science Librarian
2015-	Director of Team Science, NYU-H+H Clinical and Translational Science Institute
2016-2017	Head, Data Services, NYU Health Sciences Library
2017-	Assistant Director, Research Data and Metrics, NYU Health Sciences Library
2018-	Vice Chair for Research, NYU Health Sciences Library

### Awards and Honors

2016	Donald A.B. Lindberg Research Fellowship, Medical Library Association
2016	AAHSL Data Scholarship, Association of Academic Health Sciences Libraries

### Major Committee Assignments

#### *New York University School of Medicine:*

2011-2017	NYU-HHC CTSI Evaluation Working Group
2013	NIH Public Access Policy Working Group
2013-2014	Clinical Investigator Development, Education, & Resources Committee
2013-2015	CTSI Team Science Work Group; Chair
2014-	Research and Data Metrics Subcommittee
2016-	Data Capture and Storage Platforms Working Group
2016-	Bibliometrics Workgroup, Research Metrics Subcommittee; Co-chair
2017-	Data Use Policy Working Group

#### *New York University, Division of Libraries:*

2011-2012	ARL E-science Institute, participant, NYU
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#### *National:*

2013	Data Management Planning Group, NNLM MAR; Member
2013-2014	CTSA Evaluation Key Function Committee Bibliometrics Workgroup; Co-chair
2015-	CTSA Methods & Processes Domain Task Force; member
2016-	CTSA Methods & Processes Domain Task Force Team Science Work Group; member

### **Memberships in Professional Societies**

2010- Medical Library Association (MLA); Member

### **Editorial Positions**

2016- Reviewer for Journal of the Medical Library Association  
2017- Reviewer for American Medical Informatics Society Meeting  
2018- Reviewer for American Journal of Preventive Medicine  
2018- Reviewer for Methods of Information in Medicine

### **Teaching Experience**

2011- Literature searching, Class for students, postdocs, faculty, 1 hour/year  
2012- Introduction to Research Data Management, Class for students, postdocs, faculty, 6 hours/year  
2016- Course director and lecturer, Fundamental Research Skills and Tools, Required one-credit course for PhD and MD/PhD Sackler students, 37.5 hours/year  
2017- Introduction to Matlab, Workshop for PhD and MD/PhD Sackler students, 4 hours/year  
2017- Introduction to R, Workshop for faculty, students, postdocs, staff, 18 hours/year  
2017- How (and Why) to Talk to a Data Scientist, 4 hours/year  
2018- Hands-on Reproducibility Workshop, 7 hours/year

### **Major Research Interests**

1. Development of innovative curricula and other services and resources to enhance the reproducibility, transparency, and interoperability of research
2. Development of curricula and programs to facilitate and support collaboration, and visualizations and metrics to evaluate the degree and success of collaboration
3. Building on a machine learning approach to translational publication classification to evaluate translation of research

### **Grant Support**

2017-2018 NNLM Health Sciences Library Project Award; Facilitating the Development of Research Data Management Services at Health Sciences Libraries; PI  
2015-2017 NIH BD2K R25; Preparing Medical Librarians to Understand and Teach Research Data Management; PI  
2015- NIH Clinical and Translational Science Award; Director of Team Science  
2014-2016 NLM Administrative Supplements for Informationist Services  
Multicultural Community Dementia Screening; Informationist  
2014-2016 NLM Administrative Supplements for Informationist Services  
Synaptic Basis of Perceptual Learning in Primary Auditory Cortex; Informationist  
2013-2015 NIH Clinical and Translational Science Award; Key Personnel  
2013-2014 NN/LM MAR Medical Library Award; Development of a Service for NIH Public Access Compliance; Co-PI  
2012-2014 NLM Administrative Supplements for Informationist Services  
Role of proteases and peptides in cancer pain; Informationist  
1996-1997 NIH Supercomputer Biomedical Grant, Pittsburgh Supercomputing Center  
1993-1997 NIMH Individual National Research Service Award

### Invited Seminars and Lectures

1. “Perspectives in Research Data Management, Bioinformatics, and Open Access”, 1-hour class taught for University of North Texas Health Sciences Information Management program, October 30, 2014.
2. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Medical Library Association Meeting, Chicago, IL, May 17, 2014.
3. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Medical Library Association Meeting, Austin, TX, May 16, 2015.
4. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Medical Library Association Meeting, Toronto, ON, May 14, 2016.
5. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Association of North Carolina Health and Science Libraries Meeting, October 21, 2016.
6. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Medical Library Association Meeting, Seattle, WA, May 27, 2017.
7. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Southeastern New York Library Resources Council Meeting, October 10, 2017.
8. “Perspectives in Research Data Management”, 4-hour workshop taught as continuing education at Midwest Chapter Medical Library Association Meeting, October 14, 2017.

### Invited National Talks

1. Read KB, **Surkis A.** Facilitating the Development of Research Data Management Services at Health Sciences Libraries. Biomedical and Health Research Data Management for Librarians Capstone Summit. National Institutes of Health, Bethesda, MD. April 2018.
2. **Surkis A.** Developing Data Services in an Academic Medical Center. NY/NJ Medical Library Association Chapter Meeting. New Brunswick, NJ. October 2017.
3. Read KB, **Surkis A.** Scholarly Digital and Data Literacy: Satisfying the Need. National Information Standards Organization (NISO). Webinar. September 2017.
4. Read KB, **Surkis A.** Facilitating the Development of Research Data Management Services at Health Sciences Libraries. National Network of Libraries of Medicine Mid-Atlantic Region. Webinar. July 2017
5. Read KB, **Surkis A.** Preparing Medical Librarians to Understand and Teach Research Data Management. biomedical and healthCare Data Discovery and Indexing Ecosystem (bioCADDIE). Webinar. June 2017
6. **Surkis A.** Classifying Publications along the Translational Spectrum: A Machine Learning Approach. Association for Clinical and Translational Science Meeting, Washington, DC. April 2015
7. Read KB, **Surkis A.** Building a Data Catalog: Promoting Data Reuse and Collaboration at an Academic Medical Center. biomedical and healthCare Data Discovery and Indexing Ecosystem (bioCADDIE) Webinar. November 2014
8. **Surkis A.** Development of Library Data Services at an Academic Medical Center. Council on Library and Information Resources/Digital Library Federation E-Research Peer Network and Mentoring Group Webinar. August 2014
9. **Surkis A.** Data Management: First Steps, Shifting Sands. NN/LM MAR Research Data Management Symposium: Doing It Your Way: Approaches to Research Data Management for Libraries, New York, NY. April 2014.
10. **Surkis A, McCrillis A, McGowan R, Bakker T, and Hanson K.** New York University Health Sciences Libraries: A Tale of Two Teams. UMass Professional Development Day: Embedded with the Scientists: Librarians' Roles in the Research Process, Worcester, MA. November 2012.

## Bibliography

### Educational Resources

1. Read K, **Surkis A**. Research Data Management Teaching Toolkit [Internet]. 2017; Available from: <https://doi.org/10.6084/m9.figshare.5042998.v3>.  
Curricular material (slides, script, evaluation materials) for teaching an introductory research data management class. Developed with R25 grant, NIH Big Data to Knowledge (BD2K) Initiative.
2. Read KB, Contaxis N, **Surkis A**. Research Data Management Hands on Workshop [Internet]. 2017; Available from: <https://osf.io/fms4u/>  
Curricular material for teaching hands-on research data management class. Includes data files (EEG, MRI, behavioral, administrative) for scenario requiring application of research data management skills.
3. Read KB, Larson C, Yacobucci K, Oh SY, **Surkis A**. Research Data Management Modules [Internet]. 2016; Available from: <http://compass.iime.cloud/mix/G3X5E/>  
Eight online modules designed to educate health sciences librarians research data management and the culture and practice of research. Developed with R25 grant, NIH BD2K Initiative.
4. Hanson KL, Read KB, **Surkis A**. How to Avoid a Data Management Nightmare [Internet]. 2014; Available from: <https://www.youtube.com/watch?v=nNBiCcBlwRA&t=7s>.  
Short video (4:46) to highlight data management issues in clinical research.
5. **Surkis A**, and Mannon L. NIH Public Access Policy and Your Grant [Internet]. 2012: Available from: <https://www.brainshark.com/nyulmc/vu?pi=zJ5zr7tKsz2vpuz0>  
Short video (7:34) to explain the latest process for the NIH Public Access Policy.
6. Hanson KL, **Surkis A**, Yacobucci K. Data Sharing and Management Snafu in Three Short Acts [Internet]. 2012: Available from: <https://www.youtube.com/watch?v=N2zK3sAtr-4&t=2s>.  
Short video (4:40) to highlight common issues in data management and sharing.

### Other Resources

1. NYU Data Catalog [2014]. Available from: <http://datacatalog.med.nyu.edu>.  
Website for NYU Data Catalog. From May 2015 to January 2018: 53,471 page views, 11,810 users, 15,514 sessions.
2. Read KB, Contaxis N, Lamb I, Larson C, LaPolla FWZ, **Surkis A**. NYU Data Catalog [Internet]. 2016: Available from: <https://osf.io/vg7rn/>  
Site that contains the documentation for the NYU Data Catalog, including the metadata schema, and a link to the code that is publicly available on GitHub. As of December 2017, six other institutions have downloaded and have implemented or are implementing the catalog.

### Peer-Reviewed Articles

1. **Surkis A**, Spore S. The Relative Citation Ratio: What is it and why should medical librarians care? *Journal of the Medical Library Association: JMLA* (In Press).
2. **Surkis A**, LaPolla FW, Contaxis N, Read KB. Data Day to Day: building a community of expertise to address data skills gaps in an academic medical center. *Journal of the Medical Library Association: JMLA* 2017;105:185-91.

3. Read KB, LaPolla FW, Tolea MI, Galvin JE, **Surkis A**. Improving data collection, documentation, and workflow in a dementia screening study. *Journal of the Medical Library Association: JMLA* 2017;105:160-6.
4. **Surkis A**, Hogle JA, DiazGranados D, Hunt JD, Mazmanian PE, Connors E, Westaby K, Whipple EC, Adamus T, Mueller M, Aphinyanaphongs Y. Classifying publications from the clinical and translational science award program along the translational research spectrum: a machine learning approach. *Journal of translational medicine* 2016; 14:235.
5. Read KB, **Surkis A**, Larson C, et al. Starting the data conversation: informing data services at an academic health sciences library. *Journal of the Medical Library Association* 2015;103:131-5.
6. Read, K.B., Athens, J., Lamb, I., Nicholson, J., Chin, S., Xu, J., Rambo, N., **Surkis, A**. Promoting Data Reuse and Collaboration at an Academic Medical Center. *International Journal of Digital Curation* 2015;10(1): 260-267.
7. Ogedegbe G, Gyamfi J, Plange-Rhule J, **Surkis A**, Rosenthal DM, Airhenbuwa C, Iwelunmor J, Cooper R. Task shifting interventions for cardiovascular risk reduction in low-income and middle-income countries: a systematic review of randomised controlled trials. *BMJ open* 2014;4:e005983.
8. Williams J, McCrillis A, McGowan R, Nicholson J, **Surkis A**, Thompson H, Vieira D. Leveraging technology and staffing in developing a new liaison program. *Medical reference services quarterly* 2014;33:157-66.
9. **Surkis A**, Peskin CS, Tranchina D, Leonard CS. Recovery of cable properties through active and passive modeling of subthreshold membrane responses from laterodorsal tegmental neurons. *Journal of neurophysiology* 1998;80:2593-607.
10. Sanchez RM, **Surkis A**, Leonard CS. Voltage-clamp analysis and computer simulation of a novel cesium-resistant A-current in guinea pig laterodorsal tegmental neurons. *Journal of neurophysiology* 1998;79:3111-26.
11. **Surkis A**, Taylor B, Peskin CS, Leonard CS. Quantitative morphology of physiologically identified and intracellularly labeled neurons from the guinea-pig laterodorsal tegmental nucleus in vitro. *Neuroscience* 1996;74:375-92.
12. Dagenais M, **Surkis A**, Sharfin WF, Winful HG. Intracavity optical bistability due to thermally induced changes in absorption and refraction. *IEEE Journal of Quantum Electronics* 1985. QE-21(9), 1458-1461.

#### **Invited Articles**

1. **Surkis A**, Read K. Research data management. *Journal of the Medical Library Association* 2015;103(3):154-6.
2. **Surkis A**, Read KB, Lamb I, Athens J, Nicholson J, Chin S, Xu J, Hanson K, Larson C. Building a data catalog: promoting data reuse and collaboration at an academic medical center. *Journal of the Medical Library Association* 2015;103(4): 229-230.
3. **Surkis A**, McCrillis A, McGowan R, Williams J, Schmidt BL, Rambo N. Informationist support for a study of the role of proteases and peptides in cancer pain. *Journal of eScience Librarianship* 2013;2(1): 35-40.

#### **Book Chapters**

1. **Surkis A**. Assessing Impact Through Publications: Metrics That Tell a Story. In: Conte, M, editor. *Translating Expertise: Roles for Librarians in the Translational Research Enterprise*. Lanham: Roman & Littlefield Publishers, 2016: 202-216.

2. **Surkis A**, Read K. Building Data Management Services at an Academic Medical Center: An Entrepreneurial Approach. In: Federer, L, editor. The Medical Library Association's Guide to Data Management for Librarians. Lanham: Rowman & Littlefield Publishers, 2016: 247-260.

### Conference Paper Presentations

1. Major V, **Surkis A**, Aphinyanaphongs Y. Utility of General and Specific Word Embeddings for classifying Translational Stages of Research. Paper accepted to AMIA 2018 Annual Symposium, 2018 Nov 3-7, San Francisco, CA.
2. **Surkis A**, Read KB. A Pilot Project to Facilitate the Development of Data Services at Health Sciences Libraries. Paper accepted to Medical Library Association Annual Meeting, 2018 May18-23; Atlanta, GA.
3. Read KB, Contaxis N, Lamb I, Larson C, **Surkis A**. Leading the Discovery Charge: A Cross-Institutional Collaboration to Index Research Data. Paper accepted to Medical Library Association Annual Meeting, 2018 May18-23; Atlanta, GA.
4. Contaxis N, Surkis A, Read, K. Partnering to Improve Institutional Data Policy Transparency: Leading Researchers in the Right Direction. Paper accepted to Medical Library Association Annual Meeting, 2018 May18-23; Atlanta, GA.
5. Read KB, Contaxis N, Lamb I, Larson C, **Surkis A**. A Cross-Institutional Data Discovery Collaboration: Indexing Institutional Research Data. Paper accepted to AMIA Informatics Summit, 2018 Mar 12-15; San Francisco, CA.
6. **Surkis A**, Larson C, Yacobucci K, Oh SY, Paul S, Gillespie C, Read KB. Online Research Data Management Training Modules for Health Sciences Librarians. Paper presented at Medical Library Association Annual Meeting, 2017 May 26-31; Seattle, WA.
7. **Surkis A**, LaPolla FWZ, Contaxis N, Read KB. Rigor and Reproducibility Opens the Door for a Required Library Course for Doctoral (PhD) Students. Paper presented at Medical Library Association Annual Meeting, 2017 May 26-31; Seattle, WA.
8. **Surkis A**, Read KB, Nicholson J, Spore S. Daring to Move Beyond the H-index: Communicating Researcher Impact with the Relative Citation Ratio. Paper presented at Medical Library Association Annual Meeting, 2017 May 26-31; Seattle, WA.
9. Contaxis N, **Surkis A**, LaPolla FWZ, Read KB. Dreaming of Datasets: Outreach Strategies for an Institutional Data Catalog. Paper presented at Medical Library Association Annual Meeting, 2017 May 26-31; Seattle, WA.
10. Read KB, Larson C, Yacobucci K, Oh SY, Paul S, Gillespie CC, **Surkis A**. Preparing medical librarians to understand and teach research data management. Paper presented at BD2K All Hands Meeting, 2016 Nov 29-30; Bethesda, MD.
11. **Surkis A**, Larson C, Yacobucci K, Oh SY, Paul S, Gillespie C, Read KB. Extending the BD2K training initiative to biomedical librarians. Paper presented at SciDataCon, 2016 Sep 11-13; Denver CO.
12. Read KB, Lamb I, Contaxis N, LaPolla FWZ, Larson C, **Surkis A**. Fork this: encouraging data discovery and federated searching via an institutional data catalog. Paper presented at SciDataCon, 2016 Sep 11-13; Denver CO.
13. **Surkis, A.**, Read, K.B., Athens, J., Lamb, I., Nicholson, J., Chin, S., Xu, J., Hanson, K., Larson, C. Building a Data Catalog: Promoting Data Reuse and Collaboration at an Academic Medical Center. Paper presented at Medical Library Association Annual Meeting, 2015 May 15-20; Austin, TX.

14. **Surkis A**, Read KB, Lamb I, Larson C. Developing a Workflow to Facilitate Data Sharing in a Neuroscience Lab. Paper presented at Medical Library Association Annual Meeting, 2015 May 15-20; Austin, TX.
15. **Surkis A**, Bakker T, Hanson K, Nicholson J, Rambo N. Development of a CTSI core as a springboard for expanding library data services. Paper presented at Medical Library Association Annual Meeting, 2014 May 16-21; Chicago, IL.
16. Hanson KL, **Surkis A**. Introducing researchers to data management: Pedagogy and strategy. Paper presented at Medical Library Association Annual Meeting, 2013 May 3-8; Boston, MA.
17. McCrillis A, **Surkis A**, Vieira D, Beam PS, O'Grady T. Survival and Success Beyond Graduate School: Improving Library Services to Postdoctoral Researchers. Paper presented at Medical Library Association Annual Meeting, 2012 May 18-23; Seattle, WA.

### Conference Poster Presentations

1. Contaxis N, Langford A, Aphinyanaphongs Y, **Surkis A**. Training Biomedical Researchers to Effectively Collaborate with Data Scientists. Poster presented at AMIA Informatics Summit, 2018 Mar 12-15; San Francisco, CA.
2. Major V, **Surkis A**, Aphinyanaphongs Y. Optimizing Parameters of word2vec for a Text Classification Task. Poster presented at AMIA Annual Symposium, 2017 Nov 4-8; Washington, DC.
3. Spore, S, Larson, C, Contaxis, N, Han, B, Lamb, I., McCrillis, A., LaPolla, F.W.Z., Read, K.B., **Surkis, A**. The Faculty Publication Metrics Project (FPM) at the New York University (NYU) Health Sciences Library. Poster presented at Medical Library Association Annual Meeting, 2017 May 26-31; Seattle, WA.
4. Hanson K, **Surkis A**, Bakker T. Local research resource discovery and sharing: how will eagle-i fly? Poster presented at Medical Library Association Annual Meeting, 2014 May 16-21; Chicago, IL.
5. Melnyk H, **Surkis A**, Kaul N, Czeisler E. Capturing the full spectrum of protocol support services with publication tracking. Poster presented at Clinical Research Management Workshop, 2013 June; Washington, D.C.
6. **Surkis A**, Hanson KL, Fung R, Aphinyanaphongs Y. A collaborative tool for improving the quality of grant aims. Poster presented at Medical Library Association Annual Meeting, 2013 May 3-8; Boston, MA.
7. **Surkis A**, Hayer R, Gillespie CC. Coding Translational Research: Going Beyond T1/T2/T3. Poster presented at Medical Library Association Annual Meeting, 2012 May 18-23; Seattle, WA.
8. McCrillis A, **Surkis A**, Vieira D, Beam PS, O'Grady T. Reaching out to an Underserved Academic Community: Focus Groups with Postdoctoral Researchers. Poster presented at Medical Library Association Annual Meeting, 2013 May 18-23; Seattle, WA.